

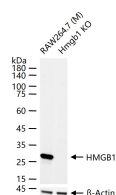
bsm-52250R**[Primary Antibody]****HMGB1 Recombinant Rabbit mAb****Bioss**
ANTIBODIES

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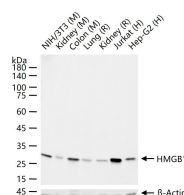
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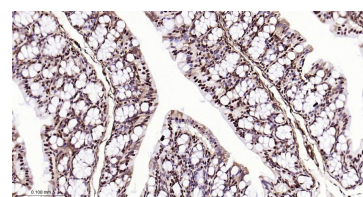
400-901-9800

— DATASHEET —**Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 3A6**GeneID:** 3146**SWISS:** P09429**Target:** HMGB1**Immunogen:** A synthesized peptide derived from human HMGB1: 150-200.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** High Mobility Group Box-1 (HMGB1) is a cytokine implicated in the pathogenesis of rheumatoid arthritis (RA) and other inflammatory diseases. The cholinergic anti-inflammatory pathway, a vagus nerve dependent mechanism, inhibits HMGB1 release in experimental disease models**Applications:** **WB** (1:1000-5000)
IHC-P (1:200-1000)
IHC-F (1:200-1000)
IF (1:200-1000)
Flow-Cyt (1µg/Test)
ICC/IF (1:100-500)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 25 kDa**Observed MW.:** 27 kDa**Subcellular Location:** Nucleus**— VALIDATION IMAGES —**

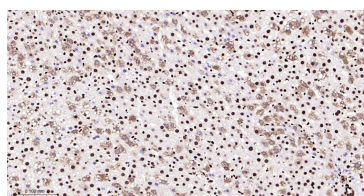
25 ug total protein per lane of various lysates (see on figure) probed with HMGB1 monoclonal antibody, unconjugated (bsm-52250R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



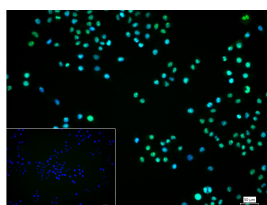
25 ug total protein per lane of various lysates (see on figure) probed with HMGB1 monoclonal antibody, unconjugated (bsm-52250R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



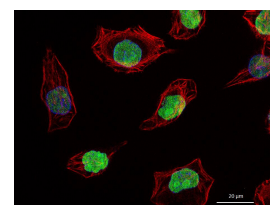
Paraformaldehyde-fixed, paraffin embedded Mouse Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HMGB1 Monoclonal Antibody, Unconjugated(bsm-52250R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



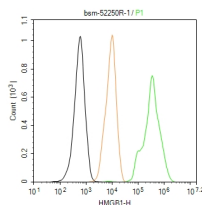
Paraformaldehyde-fixed, paraffin embedded Rat Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with HMGB1 Monoclonal Antibody, Unconjugated(bsm-52250R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (NUP153) monoclonal Antibody, unconjugated (bsm-52250R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (NUP153) monoclonal Antibody, unconjugated (bsm-52250R) 1:200, 90 min at 37°C; followed by BF488 conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, then stained with Phalloidin/BF555 for 30 min at room temperature; DAPI (blue, C02-04002) was used to stain the cell nuclei.



The HepG2 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-HMGB1 antibody (bsm-52250R, 1 µg/Test); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=9.6]** Biyu Zhou. et al. Mitochondrial-Disrupting Antimicrobial Peptide Nanoparticles as Precise Pyroptosis Inducers for Breast Cancer Immunotherapy. ADV HEALTHC MATER. 2026 Mar;;e71003 IF ;Mouse. 41769765
- **[IF=7.7]** Huanran Qu. et al. NIR-II photo- and sono-responsive hyaluronic acid-capped nanozymes for glioblastoma-targeting theranostics..International Journal of Biological Macromolecules.2025 Mar 4:141737. IHC ;Mouse. 40049489